

POLAND / Chemical Tochnology. Chemical Products and H-2 Their Application. Chemical Engineering.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1506.

Author Hobler, T.

THE LIE OF THE PROPERTY OF THE

Inst: Not given.

Title: New Equations in Connection With Heat Transfer
Process For Speed and Tomperature Distribution

in a Liquid Flowing Inside a Pipe.

Orig Pub: Chem. stosow., 1957, 1, No 1, 21-43.

Abstract: An equation is given for the distribution of the relative speed in a turbulent flow of liquid at Re < 10^6 W/W₀ = (2y/R) / $1-\sqrt{1}-(y/R)$ / -1 _ $(y/R)^2$, where $t=1-\sqrt{32}$ / Re)/ (W_0/W_m) , t=2.7 (y/R)/ 0.2 (1 t=1-0.9)/ - (y/R)/ 0.02 1. An analgous equation is given for temperature distribution for $P_r=1$. Based on this equation and Kolborn's,

Card 1/2

1

APPROVED FOR RELEASE: 08/10/2001 ica CIA-RDR86-00513R600618030010-POLAND / Chemical Technology. Chemical Engineering.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1506.

Abstract: an equation is given for turbulent, laminar and transit_regions,

St.Pr^{1-B} = () /8) (∂_0/e_m) (W_m/W_0) . /1 /

 $\sqrt{32}$ W_O/ () Re W_m) 7^2 ? -1
In this equation W is the speed on the distance y from a pipe wall, W_O is the speed on the pipe axis, R is the pipe radius, λ is the coefficient of friction, W_m is the average speed, $\beta = t_0 - t_s$, $\ell_m = t_0 - t_m$, t_0 is the temperature on the pipe axis, t_s is the temperature on the pipe wall, t_m is the average temperature along the entire cross section. B equals 0.4 for a turbulent flow, is equal to 0 for a laminar one, and 0.33 for a transient flow. -- H. Kondukov.

Card 2/2

H-2

HOBLER , T.

PCLAND/Chemical Technology - Processes and Apparatuses of

Chemical Technology.

Abs Jour

: Ref Zhur - Khimiya, No 17, 57692 1958.

Author

Hobler Tadeusz, Koziol Kazimierz

Inst Title : The Influence of Local Contraction in Pipes on the

Coefficient of Heat Transfer.

Orig Pub

: Chem stosew., 1957, 1, No 1, 45-64

Abstract

: The process was studied of heat emission from horizontal pipe with local contractions caused by buckling toward the inward moving air. The buckling of the pipe took place through the intervals $d/1 = 0.10 \div 0.0149$, with the bend of the adjacent compression planes under 900 (d is the diameter of the pipe, 1 is the distance between the centers of the adjacent locations of the compression). The lateral measurement of contraction is d/a = 1.205 - 1.62, where a is the minimum internal

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POLAND/Chemical Technology - Chemical Products and Their

Application. Processes and Apparatus of Chemical

Technology.

Abs Jour

: Ref Zhur - Khimiya, No 17, 1958, 57692

measurement at the location of the contraction of the pipe. Heat on the outside of the pipe was conducted by saturated steam for a length of 1300 mm. Air was provided by a ventilator through portions of the stabilization for a length of 1500 mm. Six pipes with diameters of 27.6/21, and 10 pipes with diameters of 33.5/26.4, with different d/1 and d/a, were subjected to the experiment. The coefficient of heat transfer of a increased with an increase of d/l and d/a. The mean value of a is expressed by the equation: Nu = 0.047 Re $^{0.8}$ Pr $^{0.4}$ (d/a) $^{0.32}$ (d/1) $^{0.23}$. The determining linear measurement is the diameter of the pipe. The equation is used for 9000 < Re < 60,000, 1.2 < d/a <5.6, 01015 < d/1 < 0.22. Deviations are = 18% from the actual values of a.

Card 2/2

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HUBLER T

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2

POLAND / Chemical Technology. Chemical Products. Processes and Apparatuses of Chemical Technology.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67693.

Author : Hobler T., Krupiczka R.

: Not given. Inst

: Hydrodynamics of Grid Trays. Title

Orig Pub: Chem. stosow., 1957, 1, No 2, 105-122.

Abstract: Hydrodynamics of the grid type trays was investigated using an air-water system in the range of air velocities, Wg = 3-10 m/sec, water velocities of $w_c = 0.0009-0.04$ m/sec (w_g and w_c are related to the tray free area), water temperature of $7-15^{\circ}$, air temperature of 15-280, and the slot area s =

Card 1/2

Their Applications. General.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12032.

Abstract: A total of seven types of sprinklers most often used were tested; 3 clusters of 6 steel pipes each, length of i.4 m, were used for the irrigating; pipe.

Abstract: A total of seven types of sprinklers most often used with diameters of 41, 57, and 89 mm and with a with triangular grooves welded to the lower formed.

It was established that the magnitude of the minimum density of irrigation G min for a single pipe does not depend on the type of apprinter and the distance between the irrigating pipes but depends on the diameter of the irrigating pipes but depends ing equation is cited: The following equation is cited: The following pipes and the minimum equation is cited:

Card 2/3

2

APPROVED: FOR RELEASE nos/10/2001 ical CPA-RDP86-00513R000618030010-Their Applications. General.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12032.

Abstract: 0.5t plus 5, kg/m hours, in which d is the external diameter of the irrigating pipe in mm; t is the average temperature of the irrigation water, in °C. The average size G_{\min} of the pipes investigated comprised about 135 kg/m hours. The quantity of liquid sprayed through the pipes increased in proportion to the increase of G_{\min} and the distance between the pipes in the cluster. For pipes with a diameter of 57 mm with a G_{\min} attaining 500 kg/m hours, the quantity of sprayed water comprised 48-63% of the total outlay of water for irrigation. -- T. Kolach.

Card 3/3

POIAND / Chemical Technology, Chemical Products and Their Application: Chemical Engine Gring.

H-2

Abs Jour

: Rof Zhur - Khimiya, No 5, 1959, No. 15631

Author

: Hoblar, T.; Barceki, A.

Inst

Not given

Title

: Effect of Porforated Baffles on the Heat Transfor

Coefficient

Orig Pub

: Chem. stosow., 1958, 2, No 1, 29-49

Abstract

: Effect of perforated baffles on the heat transfor coefficient of a heat exchanger (T) (shell side) was investigated for the turbulent flow of air passing parallel to tubes (perforations in the baffles being concentric to tubes). The following equation was derived:

tubes). The following equation was derived: Nu = 0.126 Ro^{0.75}Pr^{0.4} $(d_0/L)^{0.282}(d_0/d_0)^{0.154}$.

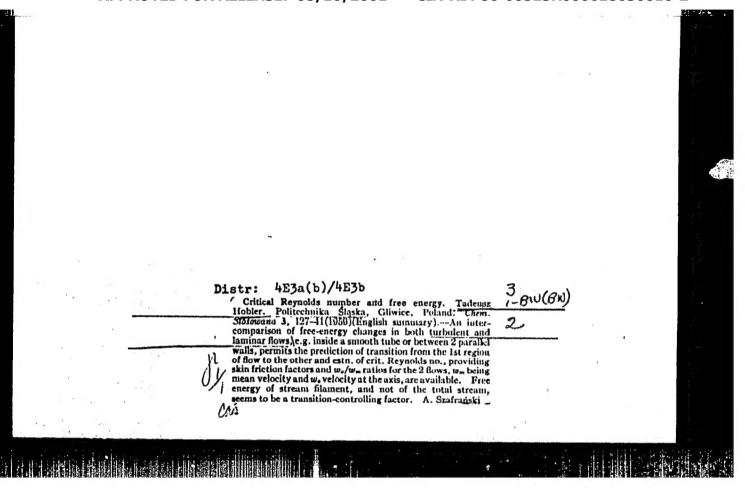
This oquation was found valid at 3500 (Ro < 21,000, do/L =

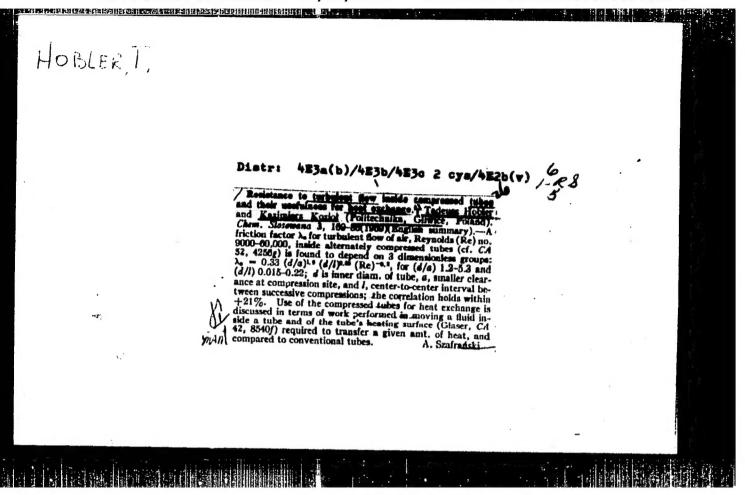
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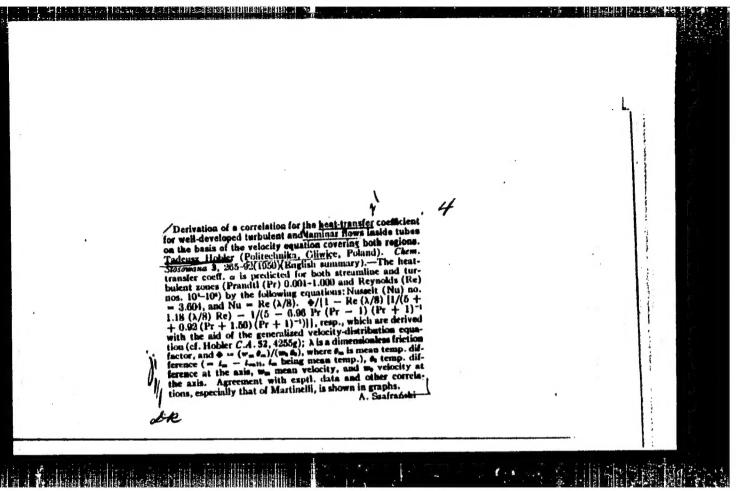
FOLAND / Chemical Technology, Chemical Froducts and Their APPROVED FOR RELEASE 08/12/12/1913. CIA-RDP86-00513R000618030010-

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 15631

= 0.0586 \div 0.2502, and d_0/d_0 = 6.5 \div 15.3, (d_0 and d_0 being the hydraulic diameters of the intertube space and of the perferated baffle, L being the distance between the baffles). -- R. Torekhin







HOBLER, Tadeusz; BURGHARDT, Andrzej

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THE THE THE PROPERTY OF THE PR

Analysis of the generalized diffusion equation for a two-component gas mixture. Chemia stosow 3 no.1:3-14 '59.

1. Katedra Inzynierii i Konstrukcji Aparatury Chemicznej, Politechnika Slaska, Gliwice.

HOBLER, Tadousz

CONSTRUCTION OF THE PROPERTY OF THE POSSESSION OF THE PROPERTY OF THE PROPERTY OF THE POSSESSION OF TH

The critical Reynolds number and free energy. Chemia stosow 3 no.2: 127-140 '59.

1. Zaklad Inzymierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBLER, Tadeusz; STREK, Fryderyk

Mixing effectiveness of liquids. Chamia stosow 3 no.2:143-168 59.

1. Katedra Inzynierii i Konstrukcji Aparatury ^Chemicznej, Politechnika Slaska, Gliwice.

HOBLER, Tadeusz; KOZIOL, Kazimierz

Meanight a section of the season manufactured and the section of

Studies on the resistance of turbulent flow in squeezed tubes and their usefulness for heat exchange. Chemia stosow 3 no.2:169-186 '59.

1. Zaklad Inzymierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice i Katedra Inzymierii i Konstrukcji Aparatury Chemicznej, Politechnika Slaska, Gliwice.

HORLER, Tadeusz

Derivation of the heat-transfer coefficient a for the developed turbulent and laminar flow in tube based on the velocity equation common for both cases. Chemia stosow 3 no.3:265-292 159.

1. Zaklad Inzymierii ^Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBLER, Tadeusz; KRUPICZKA, Roman

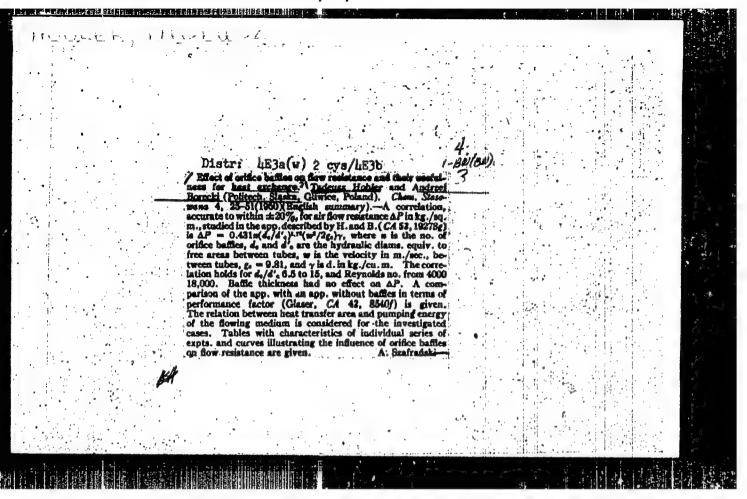
Hydraulics of the turbogrid tray. Chemia stosow 3 no.3:293-319 '59.

1. Zakład Insynierii Chemicznej i Konstrukcji tury, Polska Akademia Nauk, Gliwice.

HOBLER, Tadeusz; GRANOWSKI, Włodzimierz

Investigation of equipment for irrigating vertical tubes. Chemia stosow 3 no.4:425-556 '59. (KRAI 9:6)

1. Zakład Inzynierii Chemicznej i Konstrukcji Aparatury Polskiej Akademii Mauk w Gliwicach. (Irrigation) (Water)

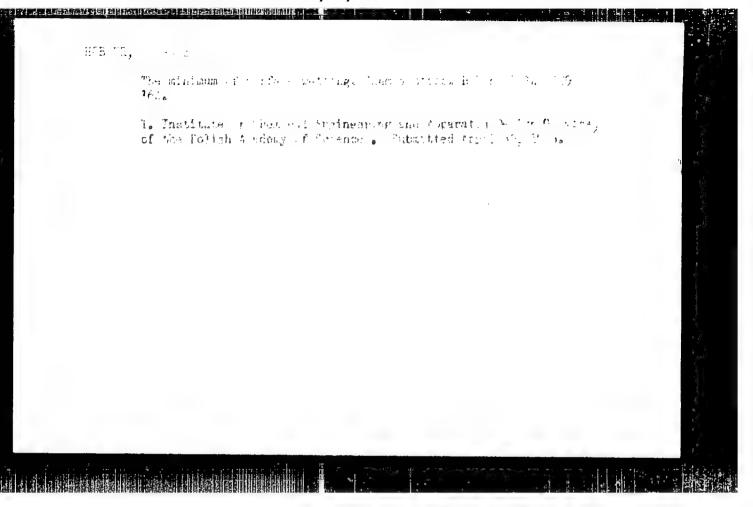


HOBLER, Tadeusz; STREK, Fryderyk

Mixing effectiveness of liquids. Chemia stosow 4 no.3/4:307-324
'60. (REAI 10:9)

1. Zaklad Inzynierii Chemicznej i Konstrukcji Aparatury PAN Katedra Inzynierii Chemicznej Politechniki Szczecinskiej.

(Liquids)



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1 no.2:165-17) *62.

1. Institute of Cremical Engineers reading of the im.
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January 8, 1964.

HOBLER, Tadeusz; PLISS, A.V. [translator]; EOMANKOV, P.G., red.

[Heat transfer and heat exchangers] Teploperedacha i teploobsenniki. Leningrad, Gos.nauchno-tekhn.izd-wo khis.lit-ry,
1961. 819 p. (NIRA 16:2)

(Thermodynamics) (Heat exchangers)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2"

s/081/62/000/005/043/112 B151/B101

5 1125

.UTHORS: Hobler, Tadeusz, Strek, Fryderyk

TITLE: The degree of mixing of liquids for Reynolds numbers between

160 - 6900

· Filler Committee of the Committee of t

FERIODICAL: Referativnyy churnal. Khimiya, no. 5, 1962, 341, abstract

5145 (Chem. stosow., v. 5, no. 2, 1961, 127-151)

TEXT: A study is made of the dependence of the degree E of mixing of liquids on the time of mixing, the speed of the stirrer and the relationship between the amounts of the liquids. The experiments are carried out in a vessel holding 20 ml and of diameter 300 mm; the height of the liquid layer in the vessel is 330 mm; the liquid is mixed with a turbine 6-blade mixer with a turbine diameter of 100mm. An expression is given: $E = 1 - \exp\left[-k_1 k_2 k_3 Re^A Fo\right]$, where $Re = nd^2 r/n$; n = rate of stirrer, rpm; d = diameter of turbine; $\gamma = specific gravity$ and

= kinematic viscosity of the liquid; Fo = Fourier number; k_1 , k_2 , k_3 and A = variables depending on the value of Re. Expressions are given Card 1/2

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2"

S/081/62/000/505/043/112

The de_ree of mixing of liquids for ... B151/B101

for the calculation of these variables. Previous communication see RZhKhim., 1960, no. o, 22610; 1961, 24163. [Abstracter's note: Complete translations']

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HOBLER, Tadousz; LU-SIN-ZU

Investigations on external irrigating equipment for vertical tubes. Chemia stosow 5 no.2:153-168 *61.

1. Zaklad Insynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk i Katedra Insynierii i Konstrukcji Aparatury Chemicznej, Politechmika Slaska, Gliwice.

P/002/61/000/003/001/001 D001/D101

AUTHOR:

Hobler, Tadeusz, Corresponding Member of the Polish

Academy of Sciences

TITLE:

Two years of the Chemical Engineering and Equipment Designing

Section of PAS

PERIODICAL: Nauka Polska, no. 3, 1961, 135-139

TEXT: About half of the narrative is concerned with a world history of chemical engineering, particularly illustrated with data on West German chemical engineering. The rest is a brief sketch of personnel, research subjects, and monograph publication programs of the above-mentioned Section. The demand for expert chemical engineers will grow in view of planned expansion in the Polish chemical industry and growing production of chemical apparatus which is expected to reach a total of about 100,000 tons annually in a few years. In order to cope with the increasing scope of chemical engineering problems which extend beyond the capability of scattered research posts, the Zakład Inzynierii Chemicznoj i Konstrukcji Aparatury (Section of Chemical Engi-

Card 1/3

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618030010-2" Two years of the ...

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la consider deregalitätadlikki a AJSK kist St

neering and Equipment Design) was established in 1958 at the IVth Department of the Polish Academy of Sciences. The address of the Section is: Gliwice Strzody 21. Within a year since the Section's founding, three research laboratories were established at the following locations: Gliwice, under Doctor of Engineering and head of the whole Section, Professor Tadeusz Hobler, Warsaw, under Doctor of Engineering J. Ciborowski; Wrockaw, under Master of Engineering Z. Ziołkowski. Two more laboratories were established in 1960. in Łódź under Docent, Master of Engineering M. Serwiński and in Szczecin under Professor, Master of Engineering T. Rosner. The Section employs a salaried staff of three scientific workers and four assistant scientific workers, and a free lance staff of two scientific, 28 assistant scientific and 14 assistant technical workers. The number of topics handled was 27 during the first year and 37 during the second. Each laboratory concentrates on affiliated problems and thus specializes in a peculiar field of interest. Reports on 10 research tasks accomplished in 1959 and 14 accomplished in 1960 either have appeared or will appear in print in the PAS quarterly "Chemia

Chrd 2/3

Two years of the ...

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Stosowana (Applied Chemistry). The article further contains a breakdown by subject of the 27 and 37 research topics handled by the Section in 1958/1959 and 1959/1960, respectively. There are two tables.

ASSOCIATION: Polska Akademia Nauk (Polish Academy of Sciences)

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PRESENTED: April 1961

Card 3/3

HOBLER, Tadeusz; CZAJKA, Jozefa

tydraulics of sieve and turbogrid trays. Chemia stosow 5 no.4:449-474 '61.

l. Zaklad Inzymiwrii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBLER, Tadeusz

Efficiency of the charge surface of absorption columns. Magy kem lap 16 no.11:496-502 N .61.

1. Szileziai Muegyetem, Gliwice.

HOBLER, Tadeusz

Unification of equations for the mass penetrating coefficient during the liquid phase of pack moistening. Frzem chem 40 no.7:396-398 Jl *61.

1. Politechnika Slaska, Gliwice.

HOBLER, Tadeusz, prof. dr inz.; MACHEJ, Karol, dr inz.

Research on the naturation of air with steam in a scrubber during continuous and pulsating water supply. Chemia stosow 6 no.1:3-43

l. Zaklad Inzynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Warszawa.

HOBLER, Tadeusz

Method of stabilizing the mass penetration coefficient in cases of major changes of the flow intensity. Przem chem 41 no.10:590-591 0 *62.

1. Zaklad Inzymierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBIER, Tadeusz

Mass transfer coefficient Ba for the gaseous stage in the light of diffusion analogy of rate, heat, and mass. Chemia stosow 7 no. 2:167-179 '63.

 Zaklad Inzynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Gliwice.

HOBLER, Tadeusz; FRONSKI, Andrzej

THE REPORT OF THE PROPERTY OF

Analysis of the application of circulation in heat exchangers. Chemia stosow 7 no. 2:181-207 '63.

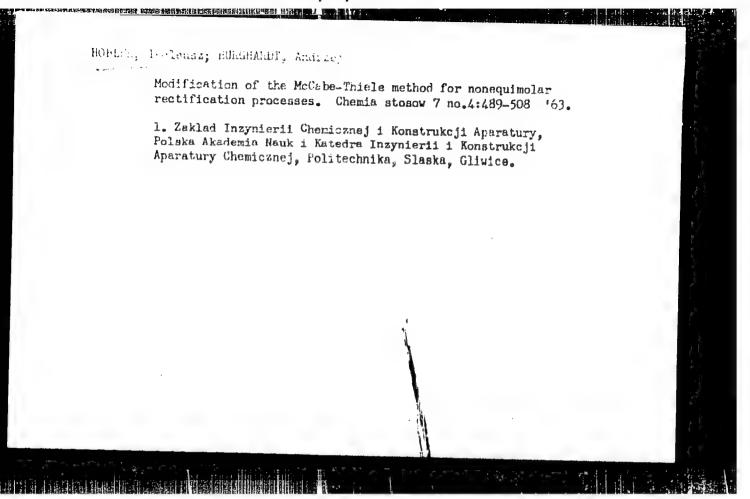
 Zaklad Inzymierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk, Warszawa.

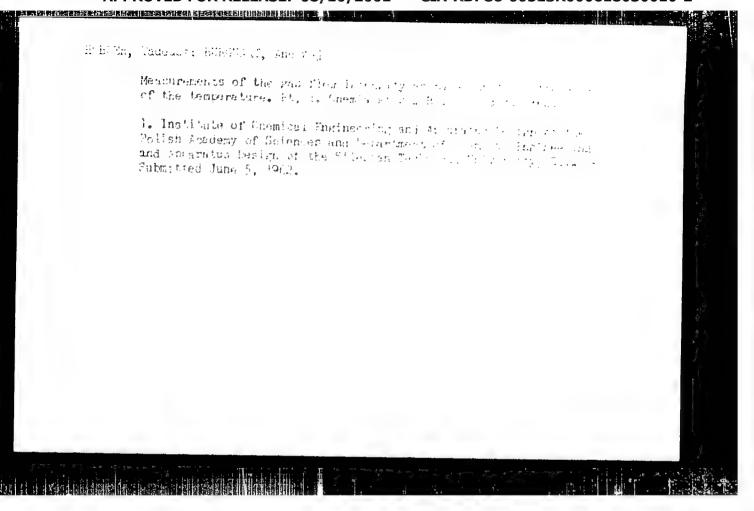
HobiEh, Taleusz

and the properties with a property of the pro

Method of approximate computing mass exchangers for multicomponent absorption processes occurring in the presence of inert components. Chemia stosow 7 no.4:473-488 163.

l. Zakied Inzynierii Chemicznej i Konstrukcji Aparatury, Polska Akademia Nauk i Katedra Inzynierii Chemicznej i Konstrukcji Aparatury, Politechnika Slaska, Gliwice.





NCBLER, Tadousz; JEZUSEK, Jerzy; LTPSKAKA, fungacide

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Effect of alternate squeezing of the inner tube on the coefficient of the heat transfer from the inner tube to the gas flowing through the annular space. Chemia stosow B 1 no.2:181-207 464.

1. Institute of Chemical Engineering and Apparatus Design, Gliwice, of the Polish Academy of Sciences. Submitted June 20, 1963.

HOBBUR, Taderiz: BURGHARDT, Androej

Measurements of the ges flow intensity as based on the tempertare difference. Pt. 2. Chemia stosow B 1 nc.3:287-330 164.

1. Institute of Chemical Engineering and Apparatus Design. Glawice, of the Polish Academy of Sciences, and Department of Chemical Engineering and Apparatus Design of the Silesian Technical University, Gliwice. Submitted June 5, 1962.

Heblan, T., dr., prof.; KRUPICZKA, R.; CZAHKA, J.

Hydraulics of turbogrid and sieve trays. Fagy kem lap 10

no. 2:89-92 F '64.

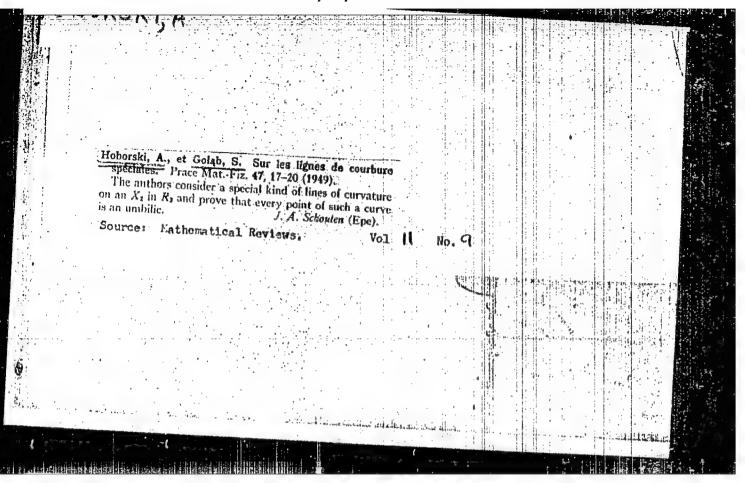
1. Lengyel Tudomanyos Akademia Muszaki Kemisi es Keszulekszerkesztesi Kutato Kozpontja.

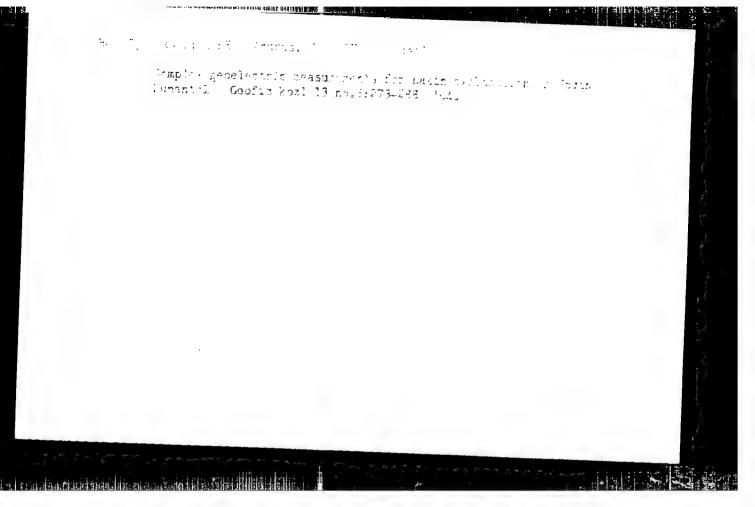
HOBORICI, I.

A STATE OF THE PROPERTY OF THE

Interesting and attractive themes. Constr Buc 16 no.737:4

1. Presedintele comitetului sindicatului grupului de santiere nr. 3-instalatii al T.C.E.H.- Constanta.





403 - , L.

Construction of lateral commals in the classists or as in Slovekia. p. 13.

Vol. 4, No. 1, Jan. 1954 VODNI HOSPODARSTVI Praha, Czechoslovekia

Source: East European Accession List. Library of Compuss Vol. 5, No. 3, August 1956

Liportance of research to the water aconomy. p. 73.

Vol. 4, no. 3, her. 1954
VONI ROSPONATVI
Proha, Grechoslovskie

Source: Dist Strongen Accession List. Library of Vengress
Vol. 5, No. 8, Amount 1956

HCEST, I.

HC:ST, I. Fevelopment of the construction of hydrauli. projects in Gzechoslovakia. p. 253.

Vol. 4, No. 6, June 1954. 24 SCCIALISTICKCU VEIU A TECHLIKU TECHL CLCCY Praha, Czechoslovakia

So: Last Europeon Accessions, Vol. 5, ho. 5, Lay 1959

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HOEST, L.

Production, anchoring, and stressing of large prestressing units. p. 452.

INZENYRSKE STAVBY. Fraha, Czechoslovakia. Vol. 3, no. 11, Nov. 1955.

Fonthly list of East European Accessions (EPAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

HOBST, L.

Anchorage and the mechanics of dam construction.

p. 20 Vol. 5, no. 1/2, rar. 1955 VODNI HOSPODARSTVI Praha

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3

NOIST, L.
HOEST, L. Anchorag of tuildi: structures in the sole of the foundation.

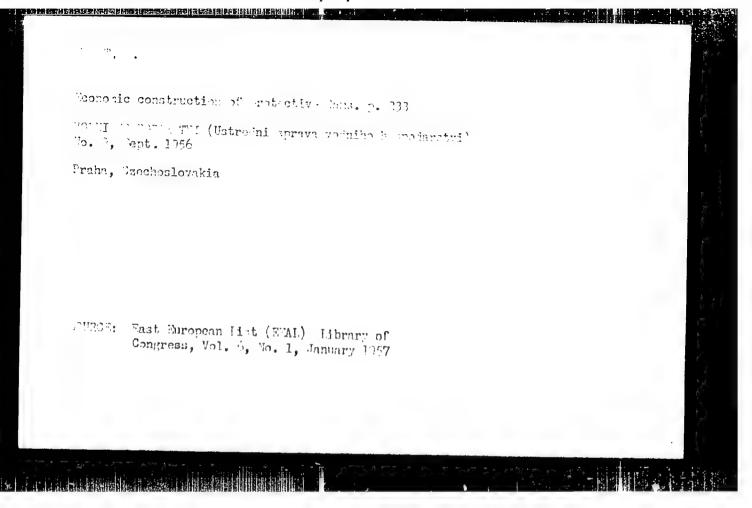
Vol. 4, No. 9, Sept. 1956.
INZENTRSKE STAVEY.
TECHNOLOTY
Praha, Gzechoslovakia,

So: East European Accession, Vol. 6, No. 3, March 1957

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HOBST, L.

HOBST, L. The use of big prestressing units in constructing the sealing membrane of the dam near Zermanice. p. 57.

Vol. 5, No. 2, Feb. 1957 INZENYRSKE STAVBY TECHNOLOGY Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

要 11856

AUTHOR:

Khobst, L.E., Doctor of Technical Science. 98-58-3-4/22 (The Czechoslovak Republic)

TITLE:

Sealing of Temperature-Deformation Seams in Hydro-Technical Installations by Means of Rubber Cross Joints (Uplotneniye temperaturno-deformatsionnykh shvov gidrotekhnicheskikh sooruzheniy pri pomoshchi rezinovykh shponok)

PERIODICAL:

Gidrotekhnicheskoye Stroitel'stvo, 1958, Nr 3, pp 18-21 (USSR)

ABSTRACT:

Rubber or plastic cross joints for the purpose of sealing temperature-deformation seams in hydrotechnical installations are being more frequently used. The work of inserting these rubber cross joints is comparatively easy. Moreover, their effectiveness, durability, and low cost are such that they are preferred in many countries to any other kind of joints. These rubber joints have the capacity of following any deformation taking place between two concrete blocks at the point of seam, which thus stays waterproof by virtue of the rubber cross joint stretching accordingly. A typical cross joint made of profile rubber has a width of 200 mm which, is the standard size for installations which are not subjected to high water pressure. Figure 1 shows the dimensions of such a joint and the shoulders (ribs), of which the center one bears against the seam. Rubber cross joints for high pressure installations

Card 1/3

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98-58-3-4/22

Sealing of Temperature-Deformation Seams in Hydro-Technical Installations by Means of Rubber Cross Joints

are of a similar profile, only 40-60 cm wide. The joint is securely embedded inside the concrete so that even in case the seam opens, it still holds and only gives within the seam To tear the rubber off the concrete, a pull of 1.9 kg per cm is required. The physico-mechanical properties of the rubber as used in the CSR for this purpose, are as follows:

Tensile strength $kg/cm^2 = 170+10$

Elongation at breaking point = 840+40%

Shore hardness

= 37+3

Specific weight g/cm3

= 0.99 + 0.01

The life of rubber joints is comparable to the life of rubber sealing rings of the same material, which have been in use in a water main in the CSR for a period of 48 years. Provided the rubber joint is not exposed to the action of ultra-violet rays ozone or mineral oil, its durability is fully safefur redd. Figures 2,3 and 4 show different ways of putting the rubber joint in place, depending upon the method used for pouring concrete

Uard 2/3

Dealing of Temperature-Deformation Seams in Hydro-Technical Installations and the kind of forms used. Figures 5 and 6 show various kinds of deformation taking place in seams between concrete blocks, and the way the rubber cross joints adjust themselves to same. There are 7 figures and 6 references, 1 of which is Soviet, 1 German, 1 English, and 3 Czechoslovakian.

Card 4/3

1. Rubber-Applications 2. Expansion joints-Design 3. Expansion joints-Concrete structures

HOBST, L.

"Prefabricated slabs in hydraulic engineering" p.183

"Construction of field drainage." p.186

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VODNI HOSPODARETVL (Ustredni sprava vodniko hospodarstvi) Praha, Czechoslovakia, no. 4, April, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959 Uncl.

HOBST, Leos, inz. dr.

Evaluation of the construction of the three-layer realing shield of an earth dam. Inz stayby 12 no.12:550-555 B '64.

1. Research Institute of Engineering Construction, Bratislava, Worksite Brno.

HOPET, I.

Anchoring of structures into loose ground. r. 296.

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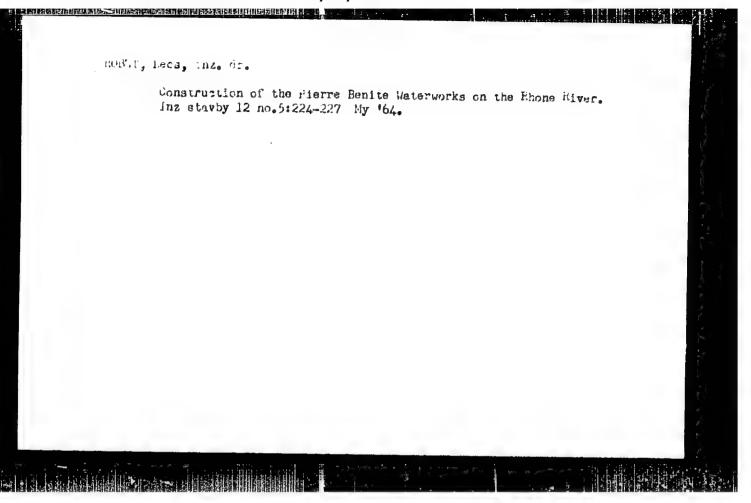
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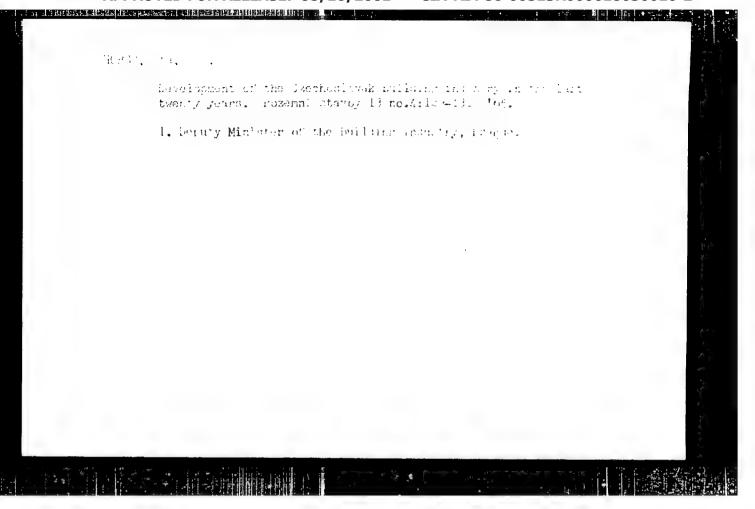
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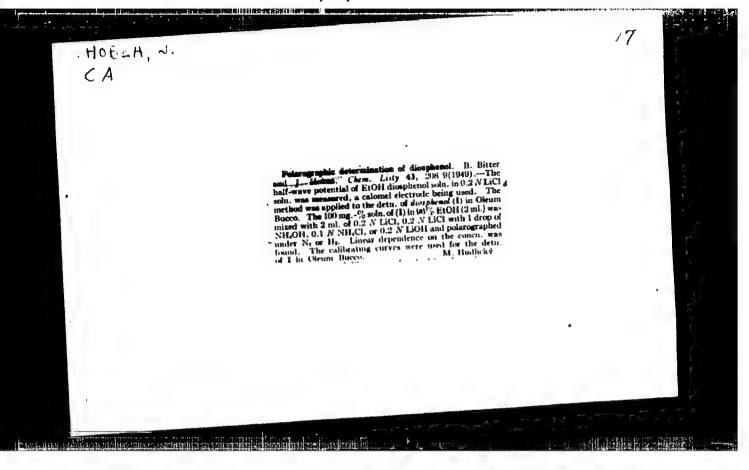
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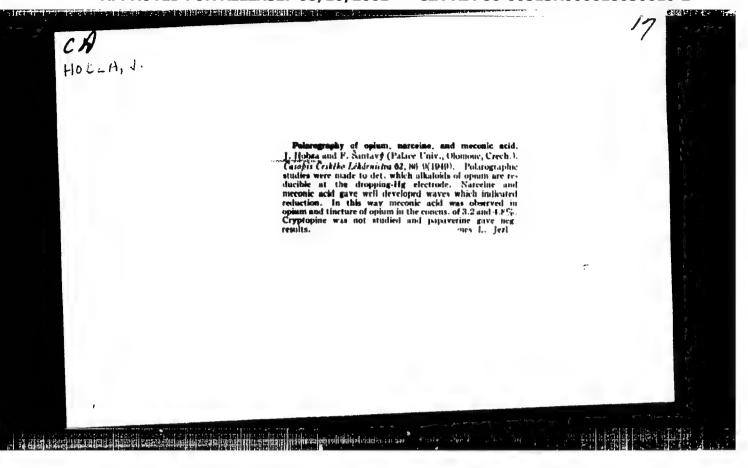
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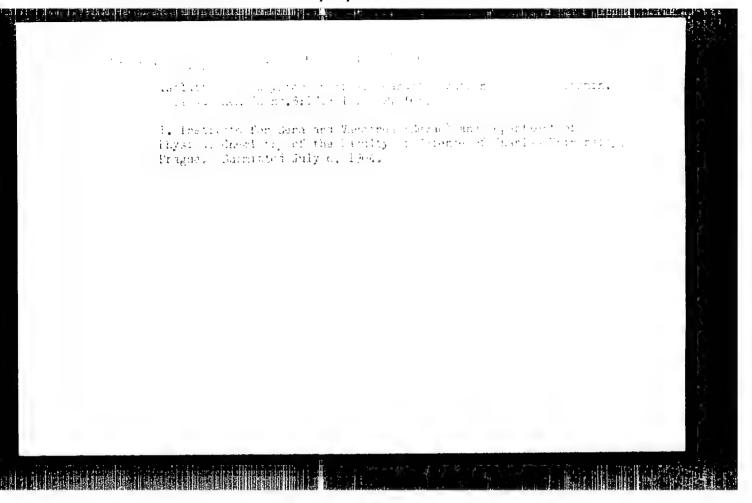




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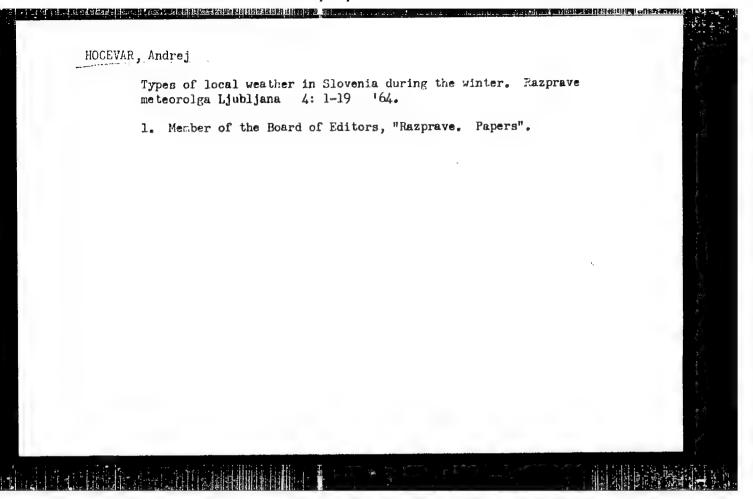
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HOCEVAR, Andrej

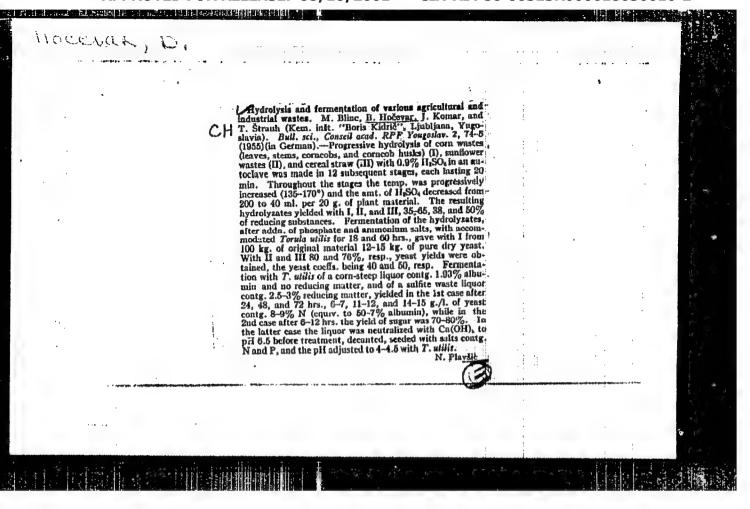
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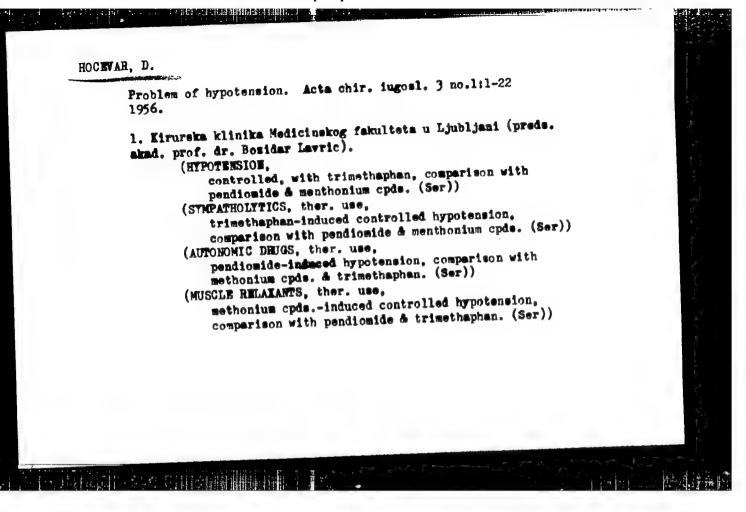
HOCEVAR, Drago

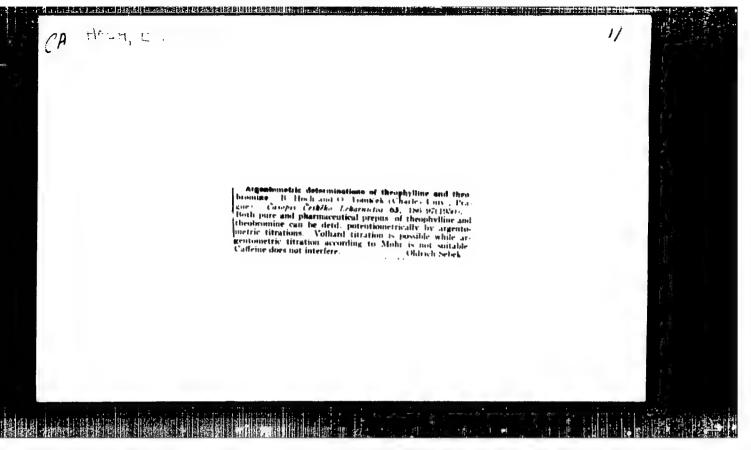
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in surg., ther., resciscitation, results (S1))





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RYSANEK, K.; HOCH, B.; KORDOVA, V.

Effect of guaiacocuran on potassium metabolism in human erythrocytes. Cas.lek.cesk 99 no.49:1545-1546 2 D 160.

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JILEK, J. C. Franciaci, J.; Shadha, A., SErdana, V.; Halford, A.; Franciaci, A.;

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Neurotropic and psychotropic substances. Pt.2. Coll Cz Chem 30 no.2:445-462 F '65.

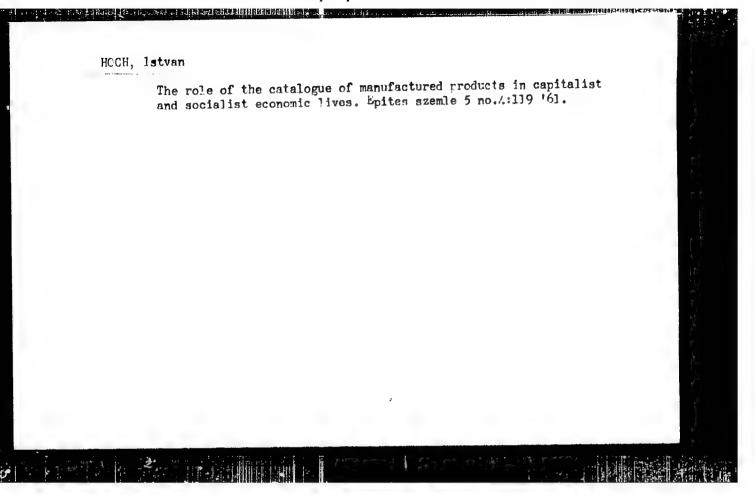
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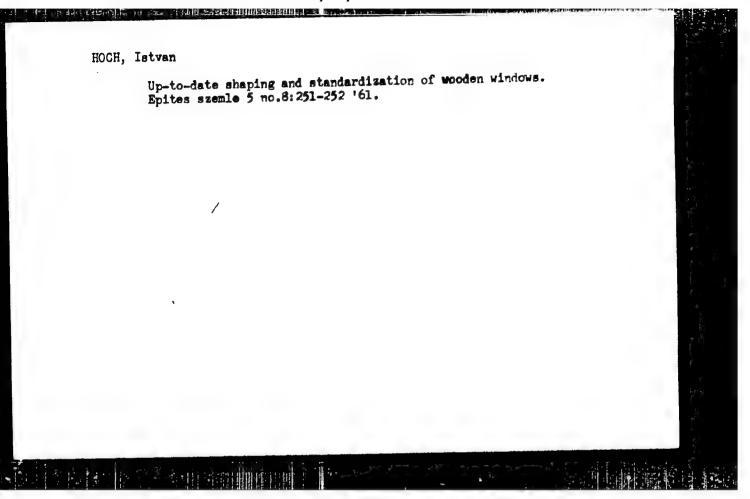
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Essay on the morphological standardization of mycotic affections. Veterinarni medicina 6 no.12:927-930 %1.

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HOCH, L.; VANA, L.

Economical condensation of excess steam in high-pressure boilers. p. 298.

ENERGETIKA. Praha, Czechoslovakia, Vol. 9, no. 6, June 1959.

Monthly list of East European Accessions, (EEAI) LC, Vol. 8, No. 10 Uncl.

Z/032/63/013/002/001/004 E073/E335

AUTHORS:

Hoch, P. and Burda, P., Engineers

TITLE:

Erosion and corrosion wear of materials in powergeneration equipment

PERIODICAL: Strojirenstvi, v. 13, no. 2, 1963, 121 - 129

TEXT: The aim was to verify experimentally the importance of the chemical action on the rate of loss of material during simultaneous erosion and corrosion at elevated temperatures so as to obtain practical data on these effects on materials being used for gas turbines in nuclear power-generation equipment. Test apparatus was designed which made possible: continuous variation in the velocity of the tested specimens, up to a maximum of 81 m/s (with an accuracy of + 2 m/s); continuous dosing of the abrasive (ash 70 g/h, fused corundum 200 g/h, 20 - 750 °C) between 0 and 750 g/h with a dosing accuracy of + 10 g/litre; continuous temperature regulation up to 800 °C with an accuracy of + 5 °C; feeding of various corrosive media in any concentrations and ratios with a dosing accuracy of + 20 ml./h. Ten different high-temperature steels and alloys were tested. For the investigated speeds Card 1/3

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Erosion and corrosion

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of up to 80 m/s erosion of constructional steels and alloys between 20 and 750 °C was governed by chemical corrosion and influenced by the inclination of the area of the metal being eroded to react with the corrosive medium (gas mixture containing argon, carbon dioxide, air and a mixture of air with 5% sulphuric acid) and by the rate of removal of the layer containing corrosion products; the corrosion loss in constructional steels and alloys in nonaggressive media did not depend on the temperature under the given test conditions. Erosion tests on Mg-Al-Be alloys showed that an optimum Be content existed (0.0035%); a further increase in the Be content did not influence the resistance of the alloy to aggressive media. The Be content did not affect the resistance-tocorrosion of non-aggressive media. The dependence of the erosion of mild steel on the incidence angle of the abrasive had a sinusoidal curve with maxima at 45 and 135° of arc. The most favourable material proved to be the Soviet-produced VL 7 (0.18% C. 0.25% Mn, 0.74% Si, 18.94% Cr, 45.5% Ni, 26.5% Fe, 0.022 P. 0.015% S, 7.33% W, 0.05% B). The next best material was the recently developed Czech austenitic alloy VZU 60 (0.04% C, 0.10% Mm, 0.51% Si, 18.59% Cr, 61.5% Ni, 12.45% Fe, 1.14% Ti, 0.38% Al. Card 2/3

Erosion and corrosion

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ρ.004% P, 0.002% S, 2.31 Mo and 2.9% W). The anti-corrosion austenitic steel CSN 17341 does not withstand simultaneous erosion and corrosion. The use of facing alloys is advantageous under normal temperatures, particularly for low velocities and for components for which such alloys will not impede their functional properties. Tested refractory enamels do not have a satisfactory resistance to erosion. There are 22 figures and 3 tables.

ASSOCIATION: SVÚOM, Prague

Card 3/3

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CIHAL, Vladimir; HOCH, Petr

"Steel and alloy corrosion in a gas medium at hi h temperatures" by [CSc.] Pavel Grobner. Reviewed by Vladimir Cihal, Petr Heeh. Hut listy 19 no.10:759 0 '64.

1. G.V. Acimov State Institute of Material Protection, Prague.

Microbiology

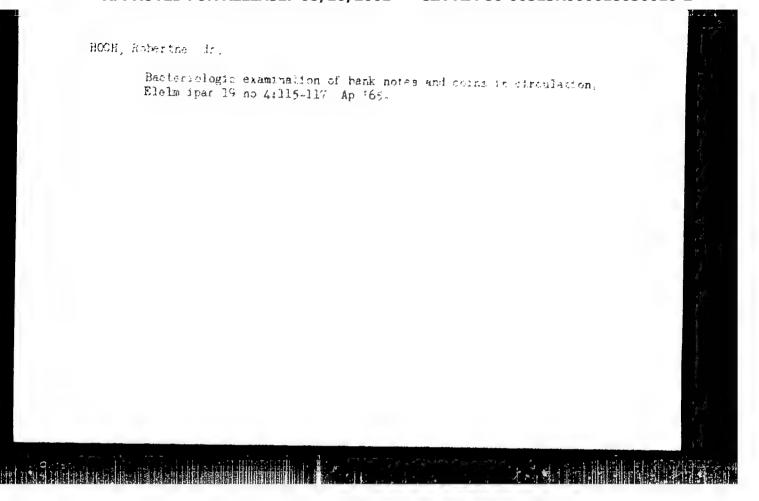
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HOCH, Robert (Mrs), Dr. NIKODEMUSZ, Istvan, Dr. candidate of medical sciences (National Institute of Food and Nutrition (director: TARJAN, Robert, Dr., professor) (Orszagos Elelmezes es Taplalkozastudomanyi Intezet), Budapest.

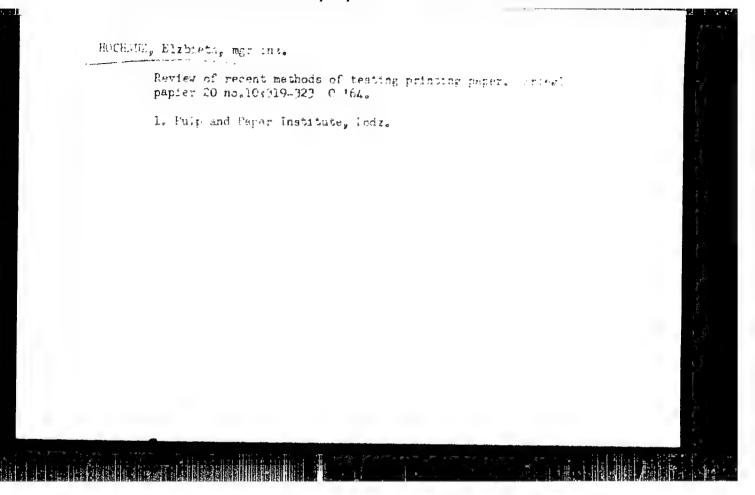
"Studies Involving the Testing of Food Stuffs for Pathogenic Intestinal

Budapest, Honvedorvos, Vol XVIII, No 4, Oct-Dec 66, pages 283-287.

Abstract: [Authors' Hungarian summary] Numerous random food samples were tested for their content of pathogenic enterobacteria by means of culture on Klimmer, DC and EM media as well as by concentration. From the data obtained so-far, it may be concluded that less than 0.2 per cent of the food stuffs may be contaminated with Shigellae and about 1 per cent of them may contain Salmonellae. Pathogenic coli strains, however, could often be found in the food samples. This problem requires further investigation. When present in large numbers, the Klimmer and FM culture media gave similar counts for E. coli and coliform bacteria; in spite of this, the two methods can not be used interchangeably. 11 Eastern European, 6 Western references.



- ari ari i eli di malalari e cela in indicenti di della indicenti di COUNTRY : PGLAND CATEGORY : Chemical Technology, Chemical Products and ABS. JOUR.: AZKhim., 40. 23 1050, 30.84362 AUTHOR : Bochanz, E. TM3P. TITLE : Veretable Gums and Their Analication in the Manufacture of Paner. ORIG. PUB. : Przepl. namiern., 1959, 15, No 3, 74-77 : Review of literature for the mast 10 years. ABSTRACT The hibliography includes 19 references. -- Ye. Gurrich. *Derivatives. Paver. CARD: 1/1



A SECTION AND VIEW

HOCHAUZ, Elzbieta, mgr.inz.

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Attempts to evaluate the suitability of papers for letterpress with the use of the I.G.T. apparatus. Przegl papier 18 no.3: 69-73 Mr '62.

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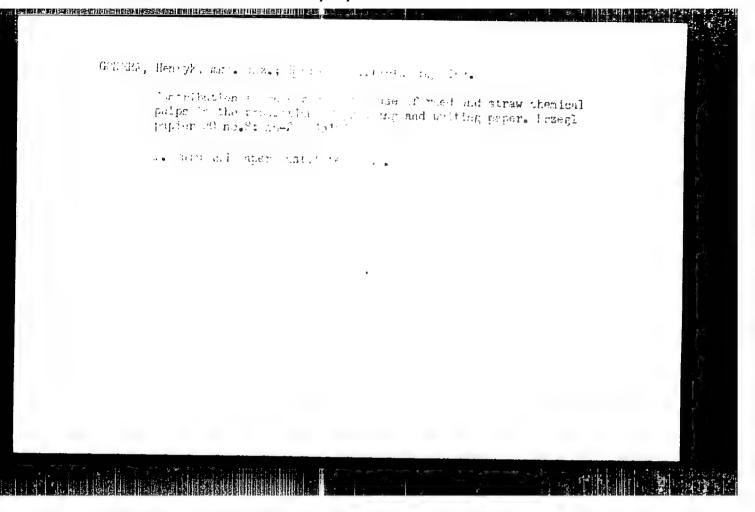
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HOCHAUZ, Elzbieta, mgr inz.

Effect of the paper properties on the qulaity of integlio printing. Przegl papier 18 no.9:278-281 S '62.

1. Instytut Celulozowo-Papierniczy, Lodz.



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KOSSOWSKI, Stanislaw; AGAPSOWICZ, G.; HOCHBERGER, B.

Antibiotic therapy of ozena; case reports and review of foreign literature. Otolar. polska 10 No.1:45-49 1956.

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(RHINITIS, ATROPHIC, therapy, antibiotics (Pol))

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HOCHBERGER, Warbara

2 Cases of frontal simusitis caused by foreign bodies. Otolar. polska
11 no.3:291-294 1957.

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W. Jankowski.
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Rise of 80-100 per cent in the efficiency of elevators. p. 493
TECHNICKA PRACA. Bratislava, Czechoslovakia. Vol. 7, No. 11, Nov. 1955

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FERENCZ, Bela, Dr. HOCHENBURGER, Emil, Jr., Dr; Gyor-Sopron Megye Hospital, Radiology (chief physician: HALMI, Jozsef, Dr) and Otolaryngological Ward (chief physician: CSILLAGH, Sandor, Dr) (Gyor-Sopron Megyei Korhaz, Rontgenosztaly es Ful-Orr-Gegeosztaly).

"The Importance of Occipitomental Radiography of the Erect Patient in the Diagnosis of Inflammatory Processes of the Paranasal Sinuses."

Budapest, Orvosi Hetilap, Vol 107, No 37, 11 Sep 66, pages 1753-1754.

Abstract: [Authors' Hungarian summary] The technique of occipitomental radiography of the paranasal sinuses, taken on the seated patient, is described. Its advantages to the pictures taken on the supine patient are pointed out as follows. 1) Following chest X-ray, radiograms of the sinuses can be taken rapidly. 2) The sharpness of the pictures is increased by the Lysholm grid. 3) The position of the head can easily be fixed. 4) The focus-film distance is a given constant. 5) Patients with dyspnea can tolerate a seated position better. 6) The fluid present in the sinuses appears as a meniscus. 7) The form of the thickened, polypous mucosa is more clearly visualized. In conclusion, the introduction of a routine of X-ray pictures taken in a horizontal ray-direction on the erect patient is recommended especially at ambulant services with many patients. 4 Hungarian, 8 Western references.

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